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## **CURRICULUM VITAE**

**NAME:** Ronald J. Lynn

**ORGANIZATION:** NOAA/NMFS/Southwest Fisheries Science Center  
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### **EDUCATION:**

B.S., Mechanical Engineering, University of Maryland, 1957  
M.A., Physical Oceanography, The Johns Hopkins University, 1963

### **EXPERIENCE:**

1993 - Present	Supervisory Oceanographer (Acting)
1963 - 1993	Oceanographer
1962 - 1963	Research Staff Assistant, JHU Baltimore, Maryland
1961	Student Work Program, WHOI
1958 - 1971	Captain, U.S. Air Force and Air Force Reserve
1957 - 1960	Design Engineer, Electric Boat Division, Gen. Dyn. Groton, Connecticut

### **HONORS AND AWARDS:**

Johns Hopkins University Scholarships, 1961-1962  
Honorable Mention, scientific paper (with R.M. Laurs), 1978  
Special Service and Merit Awards, various

### **RESEARCH INTERESTS:**

The causes and mechanisms of changes in the marine environment of the temperate eastern Pacific Ocean and the effect of the variability on the availability of temperate species of fishes.

Oceanic and near-coastal ocean fronts and their influence upon the migration and distribution of fishes.

The forecasting of physical characteristics of the ocean.

The California Current system, its circulation, and seasonal and nonseasonal variation.

Upwelling and its effects on the aggregation of commercial fishes.

CoastWatch Manager.

The application of satellite imagery to fisheries oceanography.

**PROFESSIONAL AFFILIATIONS:**

Member, American Geophysical Union, 1961-present

Research Fellow, ORC/SIO, 1972-1973

Review Panel, MMS, Santa Barbara Channel Study, 1987-1988

Advisory Committee, Scripps Satellite Oceanography Facility, 1986-1988

Advisory Committee, Sea Grant, Advanced Satellite and Geographic Information System Technology in U.S. Fisheries, 1990-1994

The Oceanography Society, 1989-1997

**TITLE OF MASTERS DISSERTATION:**

Meridional distribution of temperature-salinity characteristics of Pacific Ocean surface water.

## PUBLICATIONS

1. Stroup, E.D. and R.J. Lynn. 1963. Atlas of salinity and temperature distributions in Chesapeake Bay 1952-1961 and seasonal averages 1949-1961. Graphical Summary Report 2, Chesapeake Bay Institute References 63-1, 410p.
2. Reid, J.L., Jr. and R.J. Lynn. 1964. The distribution of water properties at deep and abyssal depths beneath the California Current. Final Report to the U.S. Atomic Energy Commission, UCSC - 34P97-1, 19 p., 9 figs.
3. Lynn, R.J. 1964. Meridional distribution of temperature-salinity characteristics of Pacific Ocean surface water. J. Mar. Res. 22(1):70-82.
4. Lynn, Ronald J. 1967. Seasonal variation of temperature and salinity at 10 meters in the California Current. Calif. Coop. Oceanic Fish. Invest. Rep. 11:157-186.
5. Lynn, Ronald J. and Joseph L. Reid. 1968. Characteristics and circulation of deep and abyssal waters. Deep-Sea Res. 15:577-598.
6. Lynn, Ronald J. 1968. Potential density of deep water. (Abstract) Trans. Am. Geophys. Un. 49:696.
7. Wyllie John G. and Ronald J. Lynn. 1971. Distribution of temperature and salinity at 10 meters, 1960-1969, and mean temperature, salinity and oxygen at 150 meters, 1950-1968, in the California Current. Calif. Coop. Oceanic Fish. Invest. Atlas 15, 188p.
8. Reid, Joseph L. and Ronald J. Lynn. 1971. On the influence of the Norwegian-Greenland and Weddell Seas upon the bottom waters of the Indian and Pacific Oceans. Deep-Sea Res. 18(11):1063-1088.
9. Lynn, Ronald J. 1971. On potential density in the deep South Atlantic Ocean. J. Mar. Res. 29(2):171-177.
10. Lynn, R.J. and R.M. Laurs. 1972. Study of the offshore distribution and availability of albacore tuna and the migration routes followed by albacore tuna into North American waters, p. 10-44. *In*: (R.M. Laurs, ed.) R.M. Laurs and Associates. Report of Joint National Marine Fisheries Service-American Fishermen's Research Foundation albacore studies conducted during 1971 and 1972, 78p.
11. Lynn, R.J. and R.M. Laurs. 1973. Further examination of the offshore distribution and availability of albacore and the migration routes followed by albacore into North American waters, p. 3-35. *In*: (R.M. Laurs, ed.) R.M. Laurs and Associates. Report of Joint National Marine Fisheries

- Service-American Fishermen's Research Foundation albacore studies conducted during 1973, 65p.
12. Laurs, R.M. R.J. Lynn, and N. Clark. 1974. Albacore forecasting/monitoring at the La Jolla Laboratory. Southwest Fisheries Center Administrative Report, La Jolla, LJ-74-14, 34p.
  13. Lynn, R.J. and R.M. Laurs. 1974. Cooperative NMFS-AFRF early-season offshore studies conducted during 1974, p. 3-18. *In:* (R.M. Laurs, ed.) R.M. Laurs and Associates. Report of Joint National Marine Fisheries Service-American Fishermen's Research Foundation albacore studies conducted during 1974. Southwest Fisheries Center Administrative Report, La Jolla, LJ-74-47, 81p.
  14. Laurs, R.M. and R.J. Lynn. 1974. The offshore distribution and availability of albacore tuna during early-season and the migration routes followed by albacore into North American waters, p. 19-46. *In:* (R.M. Laurs, ed.) R.M. Laurs and Associates. Report of Joint National Marine Fisheries Service-American Fishermen's Research Foundation albacore studies conducted during 1974. Southwest Fisheries Center Administrative Report, La Jolla, LJ-74-47, 81p.
  15. Laurs, R.M., R.J. Lynn, and R.N. Nishimoto. 1975. Report of Joint National Marine Fisheries Service-American Fishermen's Research Foundation albacore studies conducted during 1975. Southwest Fisheries Center Administrative Report, La Jolla, LJ-75-84, 49p.
  16. Laurs, R. Michael and Ronald J. Lynn. 1975. The association of oceanic boundary features and albacore tuna in the northeast Pacific. STD Conference and Workshop Proceedings, February 12-14, 1975, San Diego, CA. p. 23-30.
  17. Laurs, R.M. and R.J. Lynn. 1976. Report of joint National Marine Fisheries Service-American Fishermen's Research Foundation albacore studies conducted during 1976. Southwest Fisheries Center Administrative Report, La Jolla, LJ-76-36, 51p.
  18. McLain, D.R., F. Favorite, and R.J. Lynn. 1979. Marine environmental conditions off the Pacific coast of the United States, January 1977-March 1978. *Mar. Fish. Rev.* 4(5-6):48-69.
  19. Laurs, R.M., R.J. Lynn, R. Nishimoto, and R. Dotson. 1981. Albacore trolling and longline exploration in eastern North Pacific waters during mid-winter 1981. U.S. Dept. Commer., NOAA-TM-NMFS-SWFC-10, 40p. (text) + 52p. (appendix).
  20. Lynn, R.J., K.A. Bliss, and L.E. Eber. 1982. Vertical and horizontal distributions of seasonal mean temperature, salinity, sigma-t, stability, dynamic height, oxygen, and oxygen saturation in the California Current, 1950-1978. *Calif. Coop. Oceanic Fish. Invest. Atlas* 30, i-xii, 513p.
  21. Lynn, R.J. and K.A. Bliss. 1982. Summary of Japanese longline catches of albacore, 1969-1979, in the eastern North Pacific Ocean. Southwest Fisheries Center Administrative Report, La Jolla, LJ-82-23.

22. Laurs, R.M., R. Lynn, R. Dotson, R. Nishimoto, K. Bliss, and D. Holts. 1982. Exploratory albacore longline fishing in the eastern North Pacific during winter 1982. NMFS, SWFC, Admin. Rep., La Jolla, LJ-82-06, April 1982, 79p.
23. Lynn, Ronald J. 1983. Anomalous steric height in the California Current during the 1982-83 warm episode. Trop. Ocean-Atmos. Newsl. No. 21, Special Issue II..
24. Lynn, Ronald J. 1983. The 1982-83 warm episode in the California Current. Geophys. Res. Lett. 10(11):1093-1095.
25. Lynn, Ronald J. and Jan Svejksky. 1984. Remotely sensed sea surface temperature variability off California during a "Santa Ana" clearing. J. Geophys. Res. 89(C5):8151-8162.
26. Lynn, Ronald J. 1984. Measuring physical-oceanographic features relevant to the migration of fishes, p. 471-486. J.D. McCleave, G.P. Arnold, J.J. Dodson, and W.H. Neill (eds), Mechanisms of Migration in Fishes. Plenum Publ. Corp., New York, NY.
27. Lynn, Ronald J. 1986. The subarctic and northern subtropical fronts in the eastern North Pacific Ocean in spring. J. Phys. Oceanogr. 16(2):209-222.
28. Lynn, R.J. and J.J. Simpson. 1987. The California Current system: The seasonal variability of its physical characteristics. J. Geophys. Res. 92(C12):12,947-12,966.
29. Laurs, R.M. and R.J. Lynn. 1988. North Pacific albacore oceanography. NMFS, SWFC Admin. Rep., La Jolla, LJ-88-13, 59p.
30. Dotson, R.C., R.J. Lynn, and R.M. Laurs. 1989. Relationship of albacore vulnerability to ocean thermal structure. Working Paper Presented at the Eleventh North Pacific Albacore Workshop, La Jolla, CA.
31. Lynn, R.J. and J.J. Simpson. 1990. The flow of the undercurrent over the continental borderland off southern California. J. Geophys. Res. 95(C8):12,995-13,008.
32. Simpson, J.J. and R.J. Lynn. 1990. a mesoscale eddy dipole in the Offshore California Current. J. Geophys. Res. 95(C8):13,009,13,022.
33. Laurs, R.M. and R.J. Lynn. 1991. North Pacific Albacore Ecology and Oceanography. in Biology, Oceanography, and Fisheries of the North Pacific Transition Zone and Subarctic Frontal Zone (J. Wetherall, ed.). NOAA Tech. Rep. NMFS 105: 69-87.
34. Lynn, R.J. and K.A. Bliss. 1992. Physical oceanography off Oregon, December 1988. Admin. Rep. LJ-92-15:23pp.

35. Hayward, T.L., A.W.Mantyla, R.J.Lynn, P.E.Smith and T.K. Chereskin. 1994. The State of the California Current in 1993-1994. Calif. Coop. Oceanic Fish. Invest. Rep. 35:19-35.
36. Hayward, T.L., R.J. Lynn, A.W.Mantyla, J.A.McGowan, P.E. Smith, F.B. Schwing, E.L. Venrick. 1995. The state of the California Current in 1994-1995: A period of transition. Calif. Coop. Oceanic Fish. Invest. Rep. 36:19-39.
37. Lynn, R.J., F.B.Schwing, and T.L.Hayward. 1995. The effect of the 1991-93 ENSO on the California Current System. Calif. Coop. Oceanic Fish. Invest. Rep. 36:57-71.
38. N.C.H. Lo, Y.A. Green Ruiz, M.J. Cervantes, H.G. Moser, and R.J. Lynn. 1996. Egg production and spawning biomass of Pacific Sardine (*sardinops sagax*) during 1994. Calif. Coop. Oceanic Fish. Invest. Rep. 37:160-174.
39. T.L. Hayward, S.L. Cummings, D.R. Cayan, F.P. Chavez, R.J. Lynn, A.W. Mantyla, P. P. Niiler, F.B. Schwing, R.R. Veit, and E.L. Venrick. 1996. The state of the California Current in 1995-1996: continuing declines in macrozooplankton biomass during a period of nearly normal circulation. Calif. Coop. Oceanic Fish. Invest. Rep. 37:22-37.
40. Lynn, R.J., T. Baumgartner, J. Garcia, C. Collins, T. Hayward, K. Hyrenbach, A. Mantyla, T. Murphree, A. Shankle, F. Schwing, K. Sakuma, and M. Tegner. 1998. The state of the California Current, 1997-1998: Transition to El Niño Conditions. Calif. Coop. Oceanic Fish. Invest. Rep. 39:25-49.